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Fall 9-1-2021

ANTY 213N.00: Introduction to Physical Anthropology Lab

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Recommended Citation

Biddle, Keith, "ANTY 213N.00: Introduction to Physical Anthropology Lab" (2021). *University of Montana Course Syllabi*. 12122.

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Anthropology 213 (ANTY 213) Fall 2021

Intro to Physical Anthropology Lab

Instructor: Keith Biddle, MA

Office: SS 222

E-mail: keith.biddle@umontana.edu

Office hours: Monday & Wednesday 1:00 – 2:30 p.m.

Or by appointment

COURSE OBJECTIVES:

Students will engage in lab-based activities involving human genetics and the processes of evolution, biology and behavior of non-human primates, human evolution, and modern human adaptation and variation, in order to understand the basic fields of research in physical anthropology. An in-depth coverage of how to generate, test, and report on scientific hypotheses will accompany each of these topics. While this course is designed to stand on its own, the material covered is closely linked with that in ANTY210 (Introduction to Physical Anthropology).

Upon successful completion of this course, you will:

- Understand the scientific method and how it is applied in physical anthropology.
- Understand the theoretical foundations of physical anthropology and have a basic understanding of how those theoretical foundations are applied.
- Understand the basic principles of human genetics and the processes and mechanisms of evolution.
- Be able to observe and evaluate data on the biology and behavior of non-human primates.
- Be able to observe and evaluate data on human evolution and modern human variation.

COURSE STRUCTURE:

A handout will be provided on the class Moodle website which **you are required** to print and bring with you to each class (except for the first one, which I will provide for you). Failure to do so will result in the loss of some participation points (at least 2 per assignment) for that activity.

Lab exercises:

There are 14 lab sessions, 12 of which have written lab reports that will be due at the beginning of the following class (i.e. the report for Lab 2 will be turned in at the beginning of lab 3; see reports section below). Each lab will fully explain what is required of you. Any questions can be directed to your professor or TA. It is expected that you will attend and participate in ALL of the lab exercises and submit assignments from all 14 labs.

Lab reports:

Most of the labs will require that you turn in a **typed** report. In order to ensure that grading is accurate and timely, all reports should:

- Include your name and student ID number,
- Be in 12pt Times New Roman font
- Be double spaced.
- Have one- inch margins,
- Be printed in black ink.

Failure to comply with these standards may result in losing points on your labs.

NOTE: You CANNOT turn in a report for a lab you did not do!!!

Participation:

Attendance is taken at the beginning of every lab, so make sure you sign the attendance sheet. Going to all of the labs and completing all of the lab activities will, in most cases, result in full credit for attendance. However, disruptive and/or disrespectful behavior will be noted and will lead to loss of points (and further disciplinary action, if necessary). If you miss class due to illness you may get the participation points waived if you provide a legitimate doctor's note.

Attending other sections: There are 3 sections of this course and attendance of the section you are enrolled in is pretty much mandatory. On rare occasions where this is not possible, you need to communicate with me so that we can arrange for you to attend another section ONCE. This must be done **at least 24 hours in advance**. Switching sections should be, at most, a one- time occurrence.

GRADING:

The grading structure is as follows:

Lab Exercises	10 pts ea. X 15 labs	150 points
Participation	5 pts ea. X 15 weeks	75 points
Total		225 Points

Final grades will be assigned as follows:

90-100%	80-90%	70-80%	60-70%	>60%
A	B	C	D	F

HOW TO SUCCEED IN ANTY 213:

Those students who have completed this course successfully often display similar tendencies. I highly recommend taking these into account when judging what grade you hope to earn. These include:

- 1) Attend EVERY lab and take notes on the material.
- 2) When struggling with a concept or a topic, ask questions and/or come to office hours.
- 3) Print your lab sheets before class so you're ready to go.
- 4) Participate in the discussions about the material with your fellow classmates.
- 5) Maintain a positive, self-motivated attitude.

GENERAL POLICIES:

1. Attendance is required.
2. Masks **are required**. This is a UMT mandate.
3. There will be NO make-up labs. If you miss lab you may NOT turn in a report for that lab and you will forfeit the participation and report points.
4. Qualified students with disabilities needing appropriate academic adjustments should contact the Disability Services for Students (DSS). "Reasonable" means the University permits no fundamental alterations of academic standards or retroactive modifications. (For other options see <http://www.umd.edu/disability>).
5. Academic dishonesty will be dealt with in accordance with university policies.
 - **Cheating** on labs will result in an F in the course.
 - **Plagiarism** is a form of cheating. It is defined in the Macmillan Dictionary as "the process of taking another person's work, ideas, or words, and using them as if they were your own." If you plagiarize any assignment, you will receive a zero for the assignment and an F in the course.
6. Students must retain all material distributed in class and online. It is especially important that students retain all graded assignments. If a student has a grade dispute, he/she will be required to produce the disputed graded assignment(s).

COVID-19: Your Professor is fully aware of the worldwide pandemic currently taking place. This course is designed to be in- person to maximize your experience with the subject matter. That being said, please do what is required to keep yourself and your classmates safe. Wear your mask when appropriate, wash your hands, and maintain social distancing whenever possible. Should you or someone in your household become sick, please alert your professor to ensure they are able to advise you regarding completing the session. Other extenuating circumstances sometimes occur and will be handled on a case- by- case basis. Please stay in touch with me to ensure that your needs are being met.

BASIC NEEDS STATEMENT:

Any student who faces challenges securing food or housing and believes that this could affect their performance in this course is urged to contact any or all of the following campus resources. If you are comfortable, please feel free to email your Professor as well; I will do my best to help connect you with additional resources.

Food Pantry Program: UM offers a food pantry that students can access for emergency food. The pantry is open on Tuesdays from 9 to 2, on Fridays from 10-5. The pantry is located in UC 119. Pantry staff operate several satellite food cupboards on campus (including one at Missoula College). For more information about this program, email umpantry@mso.umt.edu, visit the pantry's website (<https://www.umt.edu/uc/food-pantry/default.php>) or contact the pantry on social media (@pantryUm on twitter, @UMPantry on Facebook, um_pantry on Instagram).

ASUM Renter Center: The Renter Center has compiled a list of resources for UM students at risk of homelessness or food insecurity here: <http://www.umt.edu/asum/agencies/renter-center/default.php> and here: <https://medium.com/griz-renter-blog>. Students can schedule an appointment with Renter Center staff to discuss their situation and receive information, support, and referrals.

TRiO Student Support Services: TRiO serves UM students who are low-income, first-generation college students, or have documented disabilities. TRiO services include a textbook loan program, scholarships and financial aid help, academic advising, coaching, and tutoring. Students can check their eligibility for TRiO services online here: <http://www.umt.edu/trioss/apply.php#Eligibility>

Course Schedule

Week 1:	Lab 1- Introduction to course (lab to be completed in class)
Week 2:	Lab 2- The scientific method
Week 3:	Lab 3- Human genetics and HWE
Week 4:	Lab 4- Evolutionary Processes
Week 5:	Lab 5- Primate Taxonomy
Week 6:	Lab 6- Primate Comparative Anatomy
Week 7:	Lab 7- Radiometric Dating
Week 8:	Lab 8- Human Skeletal Anatomy
Week 9:	Lab 9- Early Hominins
Week 10:	Lab 10- Early <i>Homo</i>
Week 11:	Lab 11- Stone Toolmaking
Week 12:	Lab 12- Human Mate Choice
Week 13:	Thanksgiving Break
Week 14:	Lab 13- Race
Week 15:	Lab 14- Altruism
Week 16:	Lab 15- Forensic Anthropology

THERE IS NO FINAL FOR THIS CLASS

SYLLABUS IS LIABLE TO CHANGE – PLEASE BE ADAPTABLE